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Approved For Release 2008/04/17 : CIA-RDP81B00878R000700040055-6

HEADQUARTERS

[redacted] 25X1

19 October 1957

SUBJECT: SLOE Authorization Change Request #21

TO: [redacted] 25X1

1. In accordance with the provisions of Project Directive Number 67-5, request the following change be made to SLOE, section IV dated 3 June 1957.

a. Addition

| Item Nbr | Stock Nbr | Description | Cost | Quantity From | Quantity To |
|---|---|---|---|---|---|
| 1 | NISL | Kodak Process Control Sensitometer - Model 101 | UNK | 0 | 1 |
| 2 | NISL | Kodak Transparency Illuminator 10" x 10" Watt Lamps | UNK | 0 | 1 |
| 3 | NISL | Filter, Red Kodaloid (to be used with a flashlight as an inspection light) | UNK | 0 | 1 |
| 4 | NISL | Filter, Green Kodaloid (to be used with a flashlight as an inspection light) | UNK | 0 | 1 |
| 5 | NISL | Flashlights, to include filter adapters for the above listed filters | UNK | 0 | 2 |

2. Justification: See attached inclosure. [redacted] 25X1

FOR THE COMMANDER:

[redacted] 25X1

Captain, USAF
Unit Supply Officer

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## JUSTIFICATION FOR SENSITOMETRIC EQUIPMENT

The following is quoted from the 70mm Manual for justification in ordering items for Sensitometric Control:

> "In any photographic processing operation some degree of sensitometric control is imperative. It provides a means whereby the machine operator can substanticate the results he produces. Without it he has no means of establishing the fact that his part of the job was well done. Results below that expected are usually analyzed and in many instances poor photographic quality is unjustly blamed to processing.
>
> "To the processing operator good sensitometric control pays off in many ways. He can certify solutions before use in the machine. The control strip developed in the machine before starting the actual run at times points up mechanical trouble as well as proving the chemistry of the process. Control strips attached fore and aft on the processed roll indicates clearly any chemical changes that may have taken place during the run. Furthermore, a backlog of control information often points out where and when changes are needed."

During the past year, while this project has been operating at this location, many instances have come up pointing out a need for a good sensitometer at this Detachment. Correct temperature control (68°F.) has been practically impossible due to the lack of an adequate hot water supply (tap water is approximately 65°F. during the winter months and the present electric hot water heater does not have sufficient capacity or recovery rate to afford prolonged temperature control) and cold water supply (tap water is above 80°F. during the summer months), and all processing other than the 70mm film must be carried out at other than reccommended temperatures.

The Special Equipment Section has been required in the past not only to process the 70mm film and "run clips" on the 9 in. materiel (these clips provide invaluable information as to correct configuaration operation), but also to process the take from the Weather Equipment and the 16mm film from tha Afoat Equipment Recording Camera. In addition to these items, we have acted in an advisory capacity to the Technical Analysis Section for Their processing of

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the Mission takes, both with the Zeiss Units and, no doubt in the future, with the A-9 units.

Although the sensitometer would be used primarily with the 70mm Dayton processing unit, the only means that can insure correct processing in any of these areas is with sensitometric control and this requires a good sensitometer. The sensitometer now authorized is not a precision instrument and provides no control over the exposure given to the gray scale, which is necessary when materials of different exposure ratings are used. It is not considered adequate for the type of processing control required and which this section should provide for this Detachment.



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